

Clow Water System

Emission Unit	PTI #	Limits
F002 - Sand Cooling Drum	06-3824	0.030 grain/dscf or no visible emissions, whichever is less stringent 16 tpy of particulate emissions
F004 - desulfurization and inoculation ladles - ladles 380.B4 & H9	None	None
F006 - BMM sand preparation plant and molding	None	None
F007 - main floor & circuit - shakeout 682.A6	None	None
F008 - cast iron fittings mold pouring main floor	None	None
F009 - cast iron fittings mold pouring main floor circuit	None	None
F010 - cast iron fittings mold pouring BMM circuit (old BT6-I)	None	None
F011 - fitting chip and grind 108.C0 - grinders 300.A7, B2, B2-91, B2-91A	None	None
F012 - coke and stone bins	None	None

F014 - isocure core machine	06-5183	<p>Particulate emisissions shall not exceed 0.030 gr/dscf (equivalent to 0.46 lb/hr) or no visible particulate emissions from the stack, whichever is less stringent.</p> <p>2.03 tpy of particulate emissions</p> <p>3.25 lbs/hr of volatile organic compounds (VOC)</p> <p>9.75 tpy of VOC as a rolling, 12-month summation</p>
F015 - Tumblast cleaner - cleaner 138.A9	None	None
F016 - shakeout and return sand, BMM - shakeout 682.A1	None	None
F017 - scrap yard I (north), scrap yard II (south), and metallic charge make-up hopper	None	None
F018 - casting machines 1 thru 6 pouring centrifugally cast	None	None
F019 - facility roads and parking	None	None
F020 - solid waste bunker	None	None
K002 - fittings paint operation	3745-21-09(U)(1)(d)	3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit
K005 - fittings paint dip tank	3745-21-09(U)(1)(d)	3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit

K006 - paint spray booth	3745-21-09(U)(1)(d)	3.5 pounds of VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit
	3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	3745-17-11(B)(1)	1.91 lbs/hr of particulate emissions (from Table I)
K007- foundry core coating	3745-21-07(G)(2)	(exempt) The permittee shall not employ any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.
K008 - foundry mold spray coating	3745-21-07(G)(2)	(exempt) The permittee shall not employ any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.
K009 - foundry core machine	06-5183	10 lbs/hr of volatile organic compounds (VOC) 30 tpy of VOC as a rolling, 12-month summation
	3745-21-07(G)(2)	(exempt) The permittee shall not employ any photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.
P020 - annealing oven	3745-17-11	None The uncontrolled mass rate of emissions (UMRE) for particulate matter from this emissions unit is less than 10 pounds per hour because the metal pipe charged does not emit particulates. The only source of particulate emissions from this natural gas-fired annealing furnace is from the combustion of natural gas. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii) and OAC

		rule 3745-17-11(A)(4), Figure II and Table I, respectively, do not apply to this emissions unit.
	3745-17-07	Since the mass rate of emissions for particulates in OAC rule 3745-17-11 is not applicable, the opacity limits in OAC rule 3745-17-07 are also not applicable.
P033 - hot blast furnace	3745-17-10(B)(1)	0.020 lb of particulate emissions per mmBTU of actual heat input
	3745-17-07	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
P901 - grey iron cupola 85 tons/hour with afterburner and venturi scrubber	3745-17-11(B)(1)	Total particulate emissions shall not exceed 50 lbs/hr (from Figure II)
	3745-17-07(A)(1)(a)	Visible particulate emissions from the scrubber stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	3745-21-08(D)	Emissions unit gases shall be burned at 1300 degrees Fahrenheit in a direct flame afterburner or equivalent device, designed for a minimum of 0.3 second residence time.